

TISSUE BIOPSY AND TREATMENT APPARATUS AND METHOD

ABSTRACT OF THE DISCLOSURE

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An embodiment of the invention provides a tissue biopsy and treatment apparatus that comprises an elongated delivery device that is positionable in tissue and includes a lumen. A sensor array having a plurality of resilient members is deployable from the elongated delivery device. At least one of the plurality of resilient members is positionable in the elongated delivery device in a compacted state and deployable with curvature into tissue from the elongated delivery device in a deployed state. At least one of the plurality of resilient members includes at least one of a sensor, a tissue piercing distal end or a lumen. The sensor array has a geometric configuration adapted to volumetrically sample tissue at a tissue site to differentiate or identify tissue at the target tissue site. At least one energy delivery device is coupled to one of the sensor array, at least one of the plurality of resilient members or the elongated delivery device.

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